ecology and environment, inc.

SITE SATTI FLAP

Version 988

		•		
		A. GENERAL INFORMATION	or ·	
Project Title: MCC	Construction	Project No.	: ZT305/	·
,	0		: TO5-9412-003/	EIL
Project Manager: Karen	Kydzews	Er Project Dir.	.: Brad Stimp	le
Location(s): 2100 S.	Kostner (Wicago, Coa	ok Co., Illinoi	8
Proposed by: Karen	Q.O.	Q Date Prepare	10 0 911	
Approval by: Lolly	J. D.	Date Approve	d: 12-9-94	
Site Safety Officer Review:	7	Date Review		
Scope/Objective of Work:	Smale 2 d			les dian
possible migration	/	site secon		7
Proposed Date of Field Activ	7 - 00	7-9U		
•	- 	Dualitation of	(1)	
Background Info: Complet	:•: []	data availabl	(No analytical []	A STATE OF THE STA
Documentation/Summary:			. •	
Overall Chemical Hazard:	Serious Low	; [] []	Moderate [] Unknown []	
Overall Physical Hazard	Serious Low	T	Moderate []	
	B. 18	SITE/WASTE CHARACTERI	STICS	
Waste Type(s):		·		
Liquid []	Solid [X]	Sludge [X]	Gas/Vapor []	
Characteristic(s):	/			
Flammable/[/] Ignitable	Volatile []	Corrosive []	Acutely [' .] Toxic	
Explosive { }	Reactive [X]	Carcinogen (V)	Radioactive* { }	
Physical Banasa				
Physical Hazards:	•			

Below

Grade

Cut '

Other:

Space

Burn

Stress

Heat/Cold [X]

Puncture

Noise

Trip/Fall

^{*}Requires completion of additional form and special approval from the Corporate Health/Safety group. Contact RSC or HQ.
HS018A(04/02/91)

Site History/Descript	ion and Unusual	Features (see Samp	ling Plan for detai	led description):	15 drums
found on a	A 1				<u>_</u>
Contain to	r-and r	osin-like	materials	Site I.D.	DYTEPA
Locations of Chemic	cals/Wastes:	of in fenc	ed aband	oned cons	truction
Co. proper	<u>.</u>		(, -	4	
Estimated Volume of	Chemicals/Wast	es: $\frac{\sqrt{5}d}{}$	rums (55-	gal.)	·····
Site Currently in (Operation	Yes: [] No: [\(\)]		
		C. HAZAR	D EVALUATION	·	,
List Physical Hazards				lling - noise hasa	rd, etc.) and numbe
them. (Task numbers a		·		a Gulland	Sheec
Task/Physical Hazard E	Λ .	_	• •	, -	
3 April DA ac	mpline	\	ture, splash	^	· ·
1.	// (E cuc, pun	cture, tup, t	ail, cold 3	1132
· · · · · · · · · · · · · · · · · · ·		<u> </u>			
i.					
7.			,		
•					
hemical Hazard Evalua	tion:		· · · · · · · · · · · · · · · · · · ·		
Compound	PEL/TWA	Route of Exposure	Acute Symptoms	Odor Threshold	Odor Description
PCBS	I mg/m3	IH, IN, EC, SK	·	NA	N/A
Barjum Benzene Polynulear Aromotie	.5 mg/m3	IH, IN, EC, SK	V, DI, W, Pain	P/A	U/A
Benzene	1 ppm	IH, IN, EC, SK	V,DZ,H,SK-IR	4.68 ppm	sweet
Polynuclear Aromatic	0.2 mg/m3	IH, , SK, EC	E/SK-IR	varied	varied
	<u> </u>				
		<u> </u>			<u> </u>
	·				
f	· 				ļ
			1		
ote: Complete and att B = ABDOMINAL PAIN C = ACHES M = ANEMIA V = BLURRED VISION = COUGHING = WEAKNESS = HEADACHES	DA = DERM DI = DIAR DS = DIST DP = CNS I DR = DROW CD = CONT	AL ABSORPTION RHEA RESSED STOMACH DEPRESSION	IH = INHALATI IN = INGESTION IRI= IRR OF E IR = IRRITATI E = EYES DZ = DIZZINES:	ON A = N	C.H.E. below; OCULAR SKIN CONTACT ULCERATION VOMITING MOUTH CHEST PAIN NAUSEA

D. SITE SAFETY WORK PLAN

Site Control:	Attach ma zone, etc		f this page,	or sketch of	•	one. contaminatio	n reduction,
Perimeter :	identified?	(X) ()	Site secu	red?	1	×1 [1	
Work Areas	Designated	1 1 1 1 1	Zone(s) o	f Contamination	on Identified? [1 1×1,	
Personnel Pro	tection (TL	D badges requi	ired for all :	field personn	HI: TLD		
Anticipated	d Level of	Protection (Cr	coss-reference	e task number:	s to Section C):	•	•
							•
			λ	В	c ·	D	4
		Task 1			X		·
•	.:	Task 2		X	XX		
		Task 3		,	X		
	٠	Task 4			`		·
	_	(Expand if nec		0.0)	0	(a
Modifications:			le to le	vel Ci	for drum	sampling i	forums
are alre	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3	(./		ng wanas	<u>ts) </u>	
Action Levels							-
o Level	D: 0 ₂ (19 partic	0.5% or >25%, culates > <u>.025</u>	explosive atm mg/m , other	cosphere >10%	LEL, organic vapo	rs above backgrou	nd levels,
o Level	C: 0, <19	9.5% or >25%,	explosive atm	nosphere >25%	LEL, (California-2	0%), unknown organ	nic vapor (in
	breath	ning zone) >5	ppm , particul	.ates > m	d/m . otner		
	n. n .10						
o Level	B: 0 <19 breath).5% or >25%, ling zone) >50	explosive atm O ppm, partic			O%), unknown organ	nic vapors (in
				nosphere >25%	LEL (California-2 mg/m², other	0%), unknown organ	, ,
	A: 0, <19).5% or >25%, opm, particular	explosive atm tes >mg	nosphere >25% ulates > nosphere >25%	LEL (California-2 mg/m², other		, ,
o Level	A: 0 <19 >500 p (daily cal).5% or >25%, opm, particular	explosive atm tes >mg ss otherwise	nosphere >25% ulates > nosphere >25%	LEL (California-2 mg/m², other	0%), unknown organ	, ,
o Level	A: 0, (19 > 500 p (daily cal	.5% or >25%, opm, particulation unles	explosive atm tes > mg ss otherwise Typ est (are	nosphere >25% culates > nosphere >25% nosphere >25% nother noted):	LEL (California-2 mg/m³, other LEL (California-2 Monitoring Equipment	Ot), unknown organ	nic vapors
o Level	A: 0 <19 >500 p (daily cal	.5% or >25%, opm, particular ibration unless and of Interest	explosive atm tes > mg ss otherwise Typ est (are	nosphere >25% culates > nosphere >25% nosphere >25% nother noted): noted):	LEL (California-2 mg/m³, other LEL (California-2 Monitoring Equipment	Prequency of Sampling	nic vapors
o Level	A: 0, (19 > 500 p (daily cal	.5% or >25%, opm, particular ibration unless and of Interest	explosive atm tes > mg ss otherwise Typ est (are	nosphere >25% ulates > nosphere >25% nospher	LEL (California-2 mg/m³, other LEL (California-2 Monitoring Equipment	Prequency of Sampling	nic vapors
o Level	A: 0, (19 > 500 p (daily cal	ibration unless nant of Interconce was	explosive atm tes > mg ss otherwise Typ est (are	nosphere >25% ulates > nosphere >25% nosphere >25% nother noted): noted): noted): noted): //	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA	Prequency of Sampling	nic vapors
o Level	A: 0, (19 > 500 p (daily cal	ibration unless nant of Interconce was	explosive atm tes >mg ss otherwise Typ est (are	nosphere >25% ulates > nosphere >25% nospher	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OUA/ANA Rad-min	Frequency of Sampling (outlineous)	nic vapors
o Level	A: 0, (19 > 500 p (daily cal	nant of Interdiction distrion ve Otmospication	explosive atm tes >mg ss otherwise Typ est (are	nosphere >25% rulates > nosphere >25% rosphere >25% rosph	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OUA/ANA Rad-min	Prequency of Sampling (outrinous)	nic vapors
o Level	Contami Contami Contami Ra Explose Rad (Expand if	opp, particularity particulari	explosive atm tes > mg ss otherwise Typ est (are one a	nosphere >25% rulates > ru	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA Rad-min CGI TLD Dadag	Prequency of Sampling (outrinous)	nic vapors
o Level	Contami Contami Contami Ra Explose Rad (Expand if	opp, particularity particulari	explosive atm tes > mg ss otherwise Typ est (are one a	nosphere >25% rulates > ru	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA Rad-min CGI TLD Dadag	Prequency of Sampling (outrinous)	nic vapors
o Level	Contami Contami Contami Ra Explose Rad (Expand if	opp, particularity particulari	explosive atm tes > mg ss otherwise Typ est (are one a	nosphere >25% rulates > ru	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA Rad-min CGI TLD Dadag	Prequency of Sampling (outrinous)	nic vapors
o Level	Contami Contami Contami Ra Explose Rad (Expand if	opp, particularity particulari	explosive atm tes > mg ss otherwise Typ est (are one a	nosphere >25% rulates > ru	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA Rad-min CGI TLD Dadag	Prequency of Sampling (outrinous)	nic vapors
o Level	Contami Contami Contami Ra Explose Rad (Expand if	opp, particularity particulari	explosive atm tes > mg ss otherwise Typ est (are one a	nosphere >25% rulates > ru	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA Rad-min CGI TLD Dadag	Prequency of Sampling (outrinous)	nic vapors
o Level	Contami Contami Contami Ra Explose Rad (Expand if	nant of Interdiction unless distriction unless distriction unless distriction unless distriction unless distriction unless distriction under the districti	explosive atm tes > mg ss otherwise Typ est (are one a	nosphere >25% rulates > ru	LEL (California-2 mg/m, other LEL (California-2 Monitoring Equipment OVA/ANA Rad-min CGI TLD Dadag	Prequency of Sampling (outrinous)	nic vapors

Personnel Decon Protocol: Outer disposal	a clothing will be
double - bogged + left on-site.	Ö
00	
	10
Decon Solution Monitoring Procedures, if Applicable:	/4
Special Site Equipment, Facilities, or Procedures (Sanitar Must Meet 29 CFR 1910.120):	y Facilities and Lighting
Site Entry Procedures and Special Considerations: Permiss	ion will be obtained prior to site entry. Stay upwind
of contamination when possible. The buddy system will be	
or concentration when possible. The baddy bystem will be	HEIDENIES &C 822 CIMOS.
Manh timination thin of day weather and later as he	and the charge of the contract of the charge
Work Limitations (time of day, weather conditions, etc.) a	
Work is restricted to daylight hours only and workers are	
vermiculite is used to pack samples, dust masks will be wo	en.
General Spill Control, if applicable:	
Investigation-Derived Material Disposal (i.e., expendables	, decon waste, cuttings):
Investigative-derived materials will be decontaminated in	accordance with procedures listed above. The
decontaminated material will be bagged and left on-site in	appropriate waste containers with prior permission of
site owner/operator	
Sample Handling Procedures Including Protective Wear:	
After samples have been collected, the outside of the samp	le bottles will be decontaminated by washing (not
submerging) the bottles in an Alconox solution and rinsing	in distilled water. The protective clothing level
(i.e. suits, gloves, boots) worn during on-site job activi-	ties will be maintained while decontaminating the
bottles. Respiratory protection will be worn based on pro-	essional judgement. Latex gloves, at a minimum,
will be worn while handling the bottles after decontaminat:	ion.
Team Hember*	Responsibility
Karen Risdnewski	eam Leader
Donovan Robin s	ite Safety Officer
Brad Stimple	050
	,
*All entries into exclusion zone require Buddy System use. monitoring program and have completed applicable training	per 29 CFR 1910.120. Respiratory protection program
meets requirements of 29 CFR 1910.134, and ANSI 288.2 (198	01.

HS018A(04/02/91)

E. EMERGENCY INFORMATION

(Use supplemental sheets, if necessary)

LOCAL RESOURCES

(Obtain a local telephone book from your hotel, if possible)

Ambulance 7	 		
Hospital Emergency Room Rush - Presbyterian - St. Lu	kes: 1653	W. Congress Pky : 94	6-642
Poison Control Center - 911			
Police (include local, county sheriff, state)			
Fire Department 911			
Airpore Midway, Miegs			
Agency Contact (EPA, State, Local USCG, etc.) EPA R	rad Stin	uple	
Local Laboratory NET Midwest 708-28	9-3/00		
UPS/Fed. Express 1-800-238-5355			
client/EPA Contact Brad Stimple			
Site Contact N/A	· · · · ·		
SITE RESOUR	CES	· .	
Site Emergency Evacuation Alarm Method werbal or	3 bloos	to car home	
water supply source To be supplied by	TAT		
Telephone Location, Number PA TBD			
Cellular Phone, if available N/A			
Radio N/A			
other N/A			
EMERGENCY CON	FACTS	•	•
1. Dr. Raymond Harbison (Univ. of Florida)	(501) 221-0465 (501) 370-8263		2.4
2. Ecology and Environment, Inc., Safety Director	.=		
Paul Jonmaire	(716) 684-8060 (716) 655-1260		
3. Deam Tiebout, Regional Safety Coordinator, Chicago			
	(312) 338-4423	٠, ٠,	
4. Jerry Oskvarek, Office Manager, Chicago			
5. Tom Kouris, TAT Leader, Chicago	(312) 201-3790 (219) 924-1341		
6. Pat Zwilling, ATATE, Chicago	(708) 587-5934	(home)	
7. Ron Bugg, TAT Safety Officer, Chicago	(219) 922-8836	(home)	
HS018A(04/02/91)			,
			٠.

MEDTOX HOTLINE

 Twenty-four hour answering service: (501) 370-8 	1.	Twenty-four hou	r answering	service:	(501)	370-826
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What to report:

- State: "this is an emergency."
- Your name; region, and site.
- Telephone number to reach you.
- Your location.
- Name of person injured or exposed.
- Nature of emergency.
- Action taken.
- 2. A toxicologist, (Drs. Raymond Harbison or associate) will contact you. Repeat the information given to the
- 3. If a toxicologist does not return your call within 15 minutes, call the following persons in order until contact is made:
 - 24 hour hotline (716) 684-8940
 - b. Corporate Safety Director Paul Jonmaire home * (716) 655-1260

c. Assistant Corp. Safety Officer - Steven Sherman - home \$ (716) 688-0084 d. Chicago Health & Safety Manager - Dean Tiebout - home \$ (312) 338-4423	
EHERGENCY ROUTES	٠.
(NOTE: Field Team must Know Route(s) Prior to Start of Work)	:
Directions to hospital (include map) dostner North to I290; I290 East	<u>to</u>
Paulina/ashland exit. Hospital on fortage road as you	
get off exiton the south.	
Emergency Egress Routes to Get Off-Site	
HSO18A(04/02/91)	
T D I + 's Stille	
Kush-Tresby Terian - SI Luke	
Rush-Presbyterian - St. Luke 1653 W. Congress Pkwy	
Chicago, IL 60612	

312-942-6428



ECOLOGY AND ENVIRONMENT, INC. - CHICAGO

Date:	c Con	struction	PAN/TDD#:Weather	/705	-74/2-003
EQUIPMENT	ID#	CALIB./OPER. CHECK	INITIALS & DATE	BACKGROUND READING	ON-SITE READIN
AVO.					· · · · · · · · · · · · · · · · · · ·
HNu 、		 			
hotovac Tube					
2 Meter					
xposimeter					
ombo-meter					
ad-MINI					
onitor-4	, , , , ,				
raeger tubes			<u> </u>	,	
onitox					
OTHERS:					
		-			
ments on Moni(ther?)	coring or P	rotective Clothing (ex:	Was the monitoring eq	uipment possibly effec	ted by the
- i.			· · · · · · · · · · · · · · · · · · ·		
m Leader					
m Leader	(Print N	ame)	(Si	gnature)	(Date)

Please submit the original to Ron Bugg and a copy to the project file

(Revised 4/3/92)

SITE DISTHETER LOG

PROJECT/PAN SITE SAFETY	1	(· ·	SITE NAM	:		
SITE SAFETY	OFFICER	,		VEEK OF	 -		
NAME AND DOSIN. #	HONDAY	TUESDAY	VEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
,							
					·	, ,	
							<u>-</u>
						·	
-							
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				<i>.</i> €.	ę. ·	.	e general
\$. \$							
					; ,		

To the nearest half-hour, record time spent downrange as "S" (e.q., S:2.5hrs), time spent in active PDS operation as "P", and any time spent downrange in rescue activity as "R".

Taking ER van - all equipment in van

Warehouse Phone (312) 775-7763	F. EQUIPMENT	JOD/PAR ZT3051/	- /-
	. -	Took Leader K. Rydze	<u> ۱۳۶۲ </u>
PROTECTIVE GEAR	·		
Level A	No.	Level B	Ro.
SCBA		SCBA	3
SPARE AIR TANKS		SPARE AIR TANKS	3
ENCAPSULATING SUIT (Type)		FROTECTIVE COVERALL: Type Sovanex	
SURGICAL GLOVES (Latex)		SN L	
NEOPRENE SAFETY BOOTS	1	EUTYL APRON	
BOOTIES (Latex)		SURGICAL GLOVES (LATEX)	1609
GLOVES: Type		GLOVES: Type Nituil	,
SR K L		SM <u></u>	801
OUTER WORK GLOVES		REOPRENE SAFETY BOOTS	
CASCADE SYSTEM		POOTIES (LATEX)	300
5-HINUTE ESCAPE MASK		EARD HAT	9
COOLING VEST		FACE SHIELD	
HARD HAT		MANIFOLD SYSTEM WITH AIRLINE	
		CASCADE SYSTEM	
Level C		EAIR SUIT	
ULIRA-TWIM RESPIRATOR	2	OUTER WORK GLOVES	
POMER AIR PURIFYING RESPIRATOR			
CASTRIDGES (Type GMCH)	1 604	Level D	
PROTECTIVE COVERALL: Type Saraney		ULTRA-TWIN RESPIRATOR (Available)	2
SN N = L	3	CARTRIDGES (Type 6MC-H)	1 box
BUTYL APROM		S-HINUTE ESCAPE MASK (Aveilable).	
SURGICAL GLOVES (LATEX)		FROTECTIVE COVERALL: Type Saranet	
GLOVES: Type Ditrile		SR K L	•.
SR H = L >	8 pr.	OUTER WORK GLOVES	
OUTER WORK GLOVES	<u> </u>	EARD HAT	
GLOVE LINERS Liter	1604	FACE SHIELD	
PACE SHIELD		BAIN SUIT	
HARDRAT	2	WINTER BOOTS	
RAIS SUIT		BOOTIES (LATEX)	•
NEOPRENE SAFETT BOOTS		REOPRENE SAFETY BOOTS	
BOOTIES (LATEX)	3pr.	STEEL TOED BOOTS	
STEEL TOED BOOTS	2	SAFETY GLASSES	<u>.:</u>

MS018D(05/30/89)

INSTRUMENTATION	No.	DECON EQUIPMENT	No.
OVA		WASH TUBS	
THERMAL DESORBER		BUCKETS	
02/EXPLOSIMETER W/CAL. KIT		SCRUB BRUSHES	
PHOTOVAC TIP	 	PRESSURIZED SPRAYER	
HBu (Probe 10.2 OR 11.7)		DETERGENT (Type)	
MAGNETOMETER		SOLVENT (Type)	
PIPE LOCATOR		PLASTIC SHEETING	
WEATHER STATION		TARPS AND POLES	
DRAEGER PURP, TUBES		TRASH BAGS	
BRUNTON COMPASS	· · · · · ·	TRASH CARS	
HONITOX CYANIDS	 	HASKING TAPE	
HEAT STRESS MONITOR		DUCT TAPE	
NOISE EQUIPMENT		PAPER TOWELS	
PERSONAL SAMPLING PUMPS (Type)	 	FACE MASE SANITIZER	
DUST MONITOR (MDA OR GCA System)		FOLDING CHAIRS	
		STEP LADDERS	
RADIATION EQUIPMENT		DISTILLED WATER	
TLD BADGES			
DOCUMENTATION FORMS	-		
PORTABLE RATEMETER			
SCALER/RATEHETER		SAMPLING EQUIPMENT	
NaI-Probe	,	80 OE. AMBER GLASS BOTTLES	
Ins Probe		1 L. AMBER GLASS BOTTLES	
QN Pancake Probe		40 ML. VIALS	
GM Side Window Probe	•	1 L. PLASTIC	,
NECRO R HETER / RAD-HINT		8 OE. GLASS	9부(.
ION CHARBER		120 ML. GLASS	
ALERT DOSINETER :-		SPOORS	
POCKET DOSINETER		MIVES	
		FILTER PAPER	eler.
FIRST ALD EQUIPMENT		PERSONAL SAMPLING PUMP SUPPLIES	
FIRST AID KIT		BUCK CALIBRATOR	
OXYGEN ADMINISTRATOR		EARD. BAILERS	
STRETCHER ·		THIEVING BODS WITH BULES	
PORTABLE ETE WASH		DIOXIN SAMPLE KIT	<u> </u>
SLOOD PRESSURE MONITOR		PRESERVATIVES: MBO3_ HaOH_ Other_	<u> </u>
PIRE EXTINGUISHER		STRING :	

		n · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
VAN EQUIPMENT	No.	HISCELLAREOUS (Cont.)	No.
TOOL KIT		HEARING PROTECTION	
HTDRAULIC JACK		LIFE VESTS	
LUG WRENCH	<u> </u>	WALKIE-TALKIE	
TOW CHAIN		CONDUCTIVITY HETER	,
WAN CHECK OUT		PH METER	
Gas		CAMERA	
oil		WATER-LEVEL INDICATOR	
Antifreeze		SPLIT SPOON SAMPLERS	
Battery		PVC HAND PUMP	
Windshield Wash		RESISTIVITY METER	
Tire Pressure ·		WELL POINT SAMPLER	
		ROBAIR PUMP SYSTEM	
RESCRELANBOUS		THERMOHETER	
CHALK		MASTERFLEX PUMP & FILTER APPARATUS	
LEVEL/TRIPOD AND ROD		SHIPPING EQUIPHENT	
BOILS		COOLERS	
PITCHER PUMP		PAINT CARS WITH LIDS, 7 CLIPS EACH	1890 j
SURVETOR'S TAPE "		VERMICULITE	
100 FIBERGLASS TAPE		DUST HASK	
306 HYLON ROPE		SHIPPING LABELS	
MYLON STRING		DOT LABELS: "DANGER"	
SURVEYING PLAGS		"UP"	
PILM		"IMSIDE CONTAINER COMPLIES"	
MHEEL BARROW		"HAZARD GROUP"	
BUNG WRENCH		STRAPPING TAPE	
SOIL AUGER		BOTTLE LABELS	
PICK		BAGGIES	
SHOVEL		CUSTODY SEALS	
CATALITIC HEATER		CHAIN-OF-CUSTODY FORMS	
PROPARE GAS		PEDERAL EXPRESS FORMS	
BANNER TAPE		CLEAR PACKING TAPE	
SURVEYING METER STICK			19
CHAINING PINS & RING			<u> </u>
TABLES			
WEATHER RADIO			
BINOCULARS			
NEGAPRONE			

ा सम्बद्धाः, इतुम्मारा । । । भरताः

Vehicle Safety Checklist Ecology & Environment, Inc. Chicago Office

ate: Time:	Odometer:
/ehicle Hodel: Color:	License Plate No
NTERIOR:	HECHANICAL OPERATION:
All Safety Belts-Proper Locking	Engine (misses, knocks, etc.)
Parking Brake	Check 0il
	Vater/Anti-freeze
START ENGINE:	Viper Fluid
Oil Pressure	Brake Pluid
Instrument Panel	
(Varning Lights or Buzzers)	OUTSIDE:
Horn	Tires (properly inflated)
Vindshield Viper & Vasher	Gas Tank Cap
	
Kirrore	EHERGENCY EQUIPMENT:
Heater/Detroster Mirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly	Fire Extinguisher
Interior Lights	
Programmy Plachers	Pirst Aid Kit Plags, Flares, Spare tire (properly inflated) Tire Changing Kit
Charte Property	Spare tire (properly inflated)
States respectly	Tire Changing Fit
DDANT.	tire thanking are
FRONT:	(jack, tools, etc.)
Headlights (Dim/Bright) Turn Signals	DBV1DFC.
Energency Flashers	REMARKS:
residency resources	
REAR:	
Tail Lights	······································
Brake Lights	
Back up Lights	
Turn Signals	
Energency Flashers	
TEAM MEMBER/OPERATOR: (print name)	signature
SITE NAME/ADDRESS:	
PAN/JOB NURBER:	_
MINING OF UPDIT	CLE TO DUTY STATION
Security Of APRIL	CLE IV DUIT STRITM
Vehicle Cleanliness:	·
Remarks:	
A A far a Managagema	
·	
TRAM NEMBER/OPERATOR:	
(print	name) signature
Dates Tines	Odoneters

WASTE-DISPOSAL METHODS

The disposal methods outlined below are intended only as guides. We do not assume responsibility for their use. Careful consideration must be given to the chemical and physical properties of the substance. In addition, local laws and regulations may preclude the use of these methods which are primarily designed for small quantities. Observe all federal, state, and local laws.

The disposal of some chemicals may require deactivation or modification of the material by chemical means. Chemical waste-disposal reactions must be handled with the same care and consideration used with synthetic procedures. Appropriate consideration must be given to reaction conditions, *i.e.*, stoichiometry, order and rate of addition, heat of reaction, evolution of gaseous products, pH, efficiency of stirring, rate of reaction, atmospheric sensitivity, etc.

Chemical waste-disposal reactions should be carried out in a chemical fume hood and in appropriate laboratory glassware. Because these reactions are often vigorous, protective safety equipment such as safety goggles, respirator, gloves, face and/or safety shield and other protective equipment must be used.

initial reactions in a disposal sequence should be carried out on a small scale (5-10g). The reactant concentrations should not exceed 10% of the reaction volume and the final reaction volume should not exceed 50% of the working capacity of the reaction vessel, regardless of the reaction scale. Larger quantities of the material should be handled in several small-size resolions. To ensure completion of reaction, the waste disposal procedure should be run for at least an additional 4 to 8 hours after all materials have been mixed.

All reactions should be run by technically qualified persons familiar with the potential hazards of the chemical reactions.

- A Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- B The material should be ignited in the presence of sodium carbonate and sieked ilme (galdium hydroxide). The substance should be mixed with vermiculte and then with the dry caustics, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber.
- C This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.
- D Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.
- To a solution of the product in water, add an excess of dilute sulfuric acid. Let stand overnight. Remove any insolubles and bury in a landfill site approved for hazardous-waste disposal.
- F Cautiously dissolve the material in water. Neutralize immediately with sodium carbonate or, if the material does not dissolve completely, add a little hydrochloric acid followed by sodium carbonate. Add celcium chloride in excess of the amount needed to precipitate the fluoride and/or carbonate.

Separate the insolubles and bury in a landfill elte approved for hazardous-waste disposal.

- G Under an inert atmosphere, cautiously add the material to dry butanol in an appropriate solvent. The chemical reaction may be vigorous and/or exothermic. Provisions must be made for venting of large volumes of highly flammable hydrogen and/or hydrocarbon gases. Neutralize the solution with aqueous acid. Filter off any solid residues for disposal as hazardous waste. Burn the liquid portion in a chemical incinerator equipped with an after-burner and sorubber.
- Neutralize the solution and add filtering agent (10g per 100mi). Evaporate the liquid and bag the residual solid for burial in a landfill site approved for hazardous-waste disposal.
- Dissolve the solid in (or dilute the solution with) a large volume of water. Carefully add a dilute solution of acetic acid or acetone to the mixture in a well ventilated area. Provisions should be made to vent safely the hydrogen gas given off during the decomposition. Check acidity of the solution and adjust to pH 1 if necessary. Let stand overnight. Neutralize the solution (pH 7). Evaporate the solution and bury the residue in a landfill site approved for hazardous-waste disposal.
- J Cautiously acidify a 3% solution or a suspension of the material to pH 2 with sulfurio acid. Gradually add a 50% excess of aqueous sodium bisuifite with attring at room temperature. An increase in temperature indicates that a reaction is taking place. If no reaction is observed on the addition of 10% of the sodium bisuifite solution, initiate it by sautiously adding more acid. If manganese, chromium, or molybdenum is present, adjust the pH of the solution to 7 and treat with sulfide to precipitate for burial as hazardous waste. Destroy excess suifide, neutralize and flush solution down the drain.
- K Please contact the Technical Services Department. Be sure to mention name, catalog number and quantity of the material.
- L The material should be dissolved in 1) water, 2) acid solution or 3) oxidized to a water-soluble state. Precipitate the material as the sulfide, adjusting the pH of the solution to 7 to complete precipitation. Filter the insolubles and dispose of them in a hazardous-waste site. Destroy any excess sulfide with sodium hypochiorite. Neutralize the solution before flushing down the drain.
- A sturry of the arenediazonium sait with water can be disposed of by adding it gradually to a stirred solution of 5-10% excess 2-naphthol in 3% aqueous sodium hydroxide at 0-20°C. After 12 hours, the resulting azo dye is flittered and either incinerated or buried in a landfill site approved for hazardous-waste disposal. Neutralize the remaining solution before disposal.
- For small quantities: cautiously add to a large stirred excess of water. Adust the pH to neutral, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the aqueous solu-

tion down the drain with plenty of water. The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of addition.

- O Bury in a landfill site approved for the disposal of chemical and hazardous waste.
- P Material in the elemental state should be recovered for reuse or recycling.
- Cautiously make a 5% solution of the material in water or dilute acid. There may be a vigorous, exothermic reaction and fumes may be generated due to the hydrolysis of the material. Control any reaction by cooling and by the rate of addition of the material. Gradually add dilute ammonium hydroxide to pH 10. Filter off any precipitate for disposal in a chemical landfill. If there is no precipitation, gradually adjust the pH from 10 to 6, stopping when precipitation occurs.
- R Catalysts and expensive metals should be recovered for reuse or recycling.
- S Treat a dilute basic solution (pH 10-11) of the material with a 50% excess of commercial laundry bleach. Control the temperature by the addition rate of bleach and adjust pH if necessary. Let stand overnight. Cautiously adjust solution to pH 7. Vigorous evolution of gas may occur. Filter any solids for burial in a chemical landfill. Precipitate any heavy metals by addition of suifide and isolate for burial. Additional equivalents of hypochiorite may be needed if the metal can be oxidized to a higher valence state. For metal carbonyls, the reaction should be carried out under nitrogen.
- T Cautiously make a 5% solution of the product in water; vent because of possible vigorous evolution of flammable hydrogen gas. Acidify the solution to pH t by adding 1M sulfuric acid dropwise. Acidification will cause vigorous evolution of hydrogen gas. Allow the solution to stand overnight. Evaporate the solution to dryness and bury the residue in a landfill site approved for hazardous-waste disposal.
- U Take the material (or a solution) and make a 5% solution in tetrahydrofuran. Cautiously add the solution dropwise to an ice-cooled, stirred basic solution of commercial bleach. Oxidation may release flammable hydrocarbon gases which must be vented. Let stand overnight, Adjust the pH to 7 and destroy excess hypochlorite with sodium bisuifite before disposal of the solution.
- Under an inert atmosphere cautiously add dry butanol or a mixture of dry butanol in an appropriate solvent, to a solution of the material in tetrahydrofuran. The chemical reaction may be vigorous and/or exothermic. Provisions must be made for the venting of a large volume of flammable hydrogen gas. When gas evolution deases, cautiously add a basic hypochlorite solution dropwise to the reaction solution. Let stand overnight. Neutralize the solution and treat with sodium bisuifite to destroy any excess hypochlorite. Filter any solids for burial in a landfill site approved for hazardous-waste disposal.

THE SIGMA-ALDRICH LIBRARY OF CHEMICAL SAFETY DATA

Explanation of Codes

PROCEDURES FOR SPILLS OR LEAKS

- Absorb on sand or vermiculite and place in closed container for disposal.
- 2 Cover with dry Ilme, sand, or soda ash. Place in covered containers using nonsparking tools and transport outdoors.
- 3 Shut off all sources of ignition.
- 4 Evacuate area.
- 5 Cover with an activated carbon adsorbent, take up and place in pleased container. Transport outdoors.
- 6 Ventilate area and wash spill site after material pickup is complete.
- 7 Sweep up, place in a bag and hold for waste disposal.
- 8 Avoid raising dust.
- 9 Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- 10 Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- 11 Cover with dry lime or soda ash, pick up, keep in a closed container and hold for waste disposal.
- 12 Carefully sweep up and remove.
- 13 Flush split area with copious amounts of water.
- 14 Mix with solid sodium bicarbonate.
- 15 Place in appropriate container.
- 16 Wear protective equipment.
- 17 Wash spill site with soap solution.
- 18 Please contact the Technical Services Department. Be sure to mention the name and catalog number of the material.

FIRE-EXTINGUISHING MEDIA

- 1 Carbon dioxide.
- 2 Dry chemical powder.
- 3 Water spray.
- 4 Alcohol or polymer foam.
- 5 Class D fire-extinguishing material only.

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- 6 Water may be effective for cooling, but may not effect extinguishment.
- 7 Carbon diexide, dry chemical powder, alcohol or polymer foam.
- 8 Foam and water spray are effective but may cause frothing.
- 9 Do not use dry chemical powder extinguisher on this material.
- 10 Do not use carbon dioxide extinguisher on this material.
- 11 Noncombustible.
- 12 Do not use water.
- 13 Use extinguishing media appropriate to surrounding fire condition



Ecology and Environment, Inc. Hazard Evaluation of Chemicals Region V - Chicago

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J08 NO:		syn : Cas no: Cot Class:	٠.	FORMULA:			
		CHEMI	CAL PROPE	RTIES			
Phys St: No! Nt :	Boil Pt: Melt Pt:		Ionz Pot : Wap Press:	-	fl Pt: អ្រ. :		
Sp Gr : Odor : INCONFAT/REACT: SOLUBILITY :	Frz Pt :		Odr Thr:		UFL:		
		TOXICOL	OGICAL PRO	OPERTIES			
Exposure Limits: TLV-TNA (4) Tox Data: INHAL :	ACGIHD :	PEL (OSHA):	STEL	£	IOLH:		
DERNAL : DRAL : CARCIN :			,				
HUTAGEN : REPRO TOX: AQUATIC :							
OTHER TOX: ROUTES OF EXP:	•		•				
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PROTECTIVE CLOTHING: SPEC PRECAUTIONS:							
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IN-MATION: EYE/SKIN : INGESTION :		•					
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DISPOSAL: DECOMPOSITION PRODUCTS:	DISPOSA	L, FIRE, S	PILLS (see	attach	ed sheet) LEAKS & SPILLS:		
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CHENICAL CLASSIFICATION:

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CHEMICAL HAIARD EVALUATION (C:atinued)

Compound	Route PEL/TWA of Exposure		Acte Synctons	Odos Threshold	Oder Description
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ecology and environment, inc. HAZARD EVALUATION OF CHEMICALS
PREPARATION/UPDATE DATE 4-12-89

CHEMICAL NAME: BARIUM

DOT NAME/ID NO : 1400 CAS NUMBER .

SYNONYMS: METALLIC BARIUM, BARIUM METAL

CHEMICAL AND PHYSICAL PROPERTIES:

MOLECULAR WEIGHT: 137.36 PHYSICAL STATE: SOLID SPG/D 3.5 SOLUBILITY (H20): REACTS CHEMICAL FORMULA: BA

FLASH POINT: FLAM SOLID FLAMMABLE I VAPOR PRESS: 10MM FREEZING POINT: 1337 F BOILING POINT:

ODOR CHARACTERISTICS:

INCOMPATABILIITIES: REACTS WITH WATER RELEASING TOXIC GASES. AMMONIA, OZ, HALOGENS, ACIDS METAL IN POWDERED FORM IS EXPLOSIVE

BIOLOGICAL PROPERTIES:

TLV-TWA: 0.5 MG/M3 TDLH: 250 MG/M3

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PEL: 0.5 MG/M3

ODOR THRESHOLD:

HUMAN (LCLO):

RAT/MOUSE (LC50):

MUTIGEN:

CARCINOGEN:

TERATOGEN:

ROUTE OF EXPOSURE: [X] INHALATION [X] EYE CONTACT [X] SKIN CONTACT [X] INGESTION

HANDLING RECOMMENDATIONS (PERSONAL PROTECTIVE MEASURES):

PREVENT SKIN CONTACT, WEAR GLOVES, IMPERVIOUS CLOTHING

医阿尔克氏 到了海绵和乌鸦的 MONITORING RECOMMENDATIONS:

SOLUBLE BARIUM COMPOUNDS ARE PRIMARY SKIN IRRITANTS AND CONVULSANT POISONS. MAY CAUSE LOCAL IRRITATION OF EYES, NOSE, THROAT, HEALTH HAZARDS:

BRONCHIAL TUBES AND SKIN. SOLUBLE BARIUM COMPOUNDS MAY ALSO CAUSE SEVERE STOMACH PAINS. SLOW PULSE RATE. IRREGULAR HEART BEAT.

TIGHTNESS OF NECK AND FACIAL MUSCLES, VOMITTING, DIARRHEA, PAIN, WEAKNESS, CARDIAC DISTURBANCES AND CONVULSIONS ACUTE SYMPTOMS:

NO CHRONIC POISONING HAS BEEN REPORTED CHRONIC SYMPTOMS:

FIRST AID

INHALATION: REMOVE TO FRESH AIR, GIVE ARTIFICAL RESPIRATION IF NEEDED. SEEK MEDICAL ATTENTION

EYE CONTACT: FLUSH/RINSE WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES

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SKIN CONTACT: REMOVE CONTAMINATED CLOTHING; WASH IMMEDIATELY WITH SOAP AND WATER

GIVE LARGE QUANTITIES OF WATER; INDUCE VOMITING; SEEK MEDICAL ATTENTION INGESTION:

DISPOSAL/WASTE TREATMENT:

[] VERSCHUERAN [] MERCK INDEX [] HAZARDLINE [] ACGIH [] TOXIC & HAZARDOUS SAFETY MANUAL [] CHRIS [] SAX REFERENCES CONSULTED:

[] NIOSH/OSHA POCKET GUIDE

[] OTHER: OHS DATABASE

ecology and environment. inc.

HAZARD EVALUATION OF CHEMICALS PREPARATION/UPDATE DATE 5-8-90

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CAS NUMBER: 71-43-2 DOT NAME/ID NO.:

SYNONYMS: BENZOL, BENZOLE, CYCLOHEXATRIENE, BENZOLENE, BICARBURET OF HYDROGEN, CARBON OIL, COAL NAPHTHA

CHEMICAL AND PHYSICAL PROPERTIES:

CHEMICAL FORMULA: C6H6 MOLECULAR WEIGHT: 78 PHYSICAL STATE: LIQUID SPG/D 0.879 SOLUBILITY (H20): SLIGHTLY

VAPOR PRESS: 75MM FREEZING POINT: 42 F BOILING POINT: 176 F FLASH POINT: 12 F FLAMMABLE LIMITS: 1.3-7.1%

ODOR CHARACTERISTICS: 4.68 PPM

INCOMPATABILITIES: STRONG OXIDIZERS, CHLORINE, BROMINE

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BIOLOGICAL PROPERTIES:

A CH LIDLH: TLV-TWA: 10 PPM PEL: 1 PPM ODOR THRESHOLD:

HUMAN (LCLO): TCLO 100/CNS RAT/MOUSE (LC50):
CARCINOGEN: HUMAN-SUS RAT/MOUSE (LC50):
TERATOGEN: RAT/MOUSE (LC50): TCLO 50/ AQUATIC:

MUTIGEN: EXPER

[X] EYE CONTACT [X] SKIN CONTACT [X] INGESTION ROUTE OF EXPOSURE: [X] INHALATION

HANDLING RECOMMENDATIONS (PERSONAL PROTECTIVE MEASURES):

10 PPM USE SCBA, USE PROTECTIVE CLOTHING, EXCEL-VITON; GOOD-NEOPRENE, SARANAX; POOR-BUTYL, NATURAL RUBBER FOR GLOVES, AVOID SKIN/EYE CONTACT

MONITORING RECOMMENDATIONS: 其此轉一至一計三十四日 超三十二十四日 新祖三十三十四日

HEALTH HAZARDS: CAN CAUSE DIZZINESS, EUPHORIA, GIDDINESS, HEADACHE, NAUSEA, STAGGERING GAIT, WEAKNESS, DROWSINESS, RESPIRATORY IRRITATION,

PULMONARY EDEMA AND PNEUMONIA, GASTROINTESTINAL IRRITATION, CONVULSIONS, AND PARALYSIS. CAN ALSO CAUSE IRRITATION TO SKIN, EYES

and the state of t

SKIN IRRITANT, CNS DEPRESSANT, MOSTLY IHL, INITIAL EXCITATION FOLLOWED BY HEADACHE, DIZZINESS, VOMITING, DELIRIUM, SEVERE ACUTE SYMPTOMS:

EXPOSURE MAY SEE TREMORS, BLURRED VISION, SHALLOW RESP, CONVULSIONS

ANOREXIA, DROWSINESS, ANEMIA, BLEEDING UNDER SKIN, REDUCED BLOOD CLOTTING; LIVER, KIDNEY, BONE MARROW DAMAGE, LEUKEMIA CHRONIC SYMPTOMS:

FIRST AID

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REMOVE TO FRESH AIR, GIVE ARTIFICAL RESPIRATION IF NEEDED, SEEK MEDICAL ATTENTION INHALATION:

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FLUSH/RINSE WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES EYE CONTACT:

選和 化过去加油

REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER SKIN CONTACT: and the state of t

INGESTION: DO NOT INDUCE VOMITING, GIVE WATER OR MILK, GET MEDICAL ATTENTION IMMEDIATELY

DISPOSAL/WASTE TREATMENT:

TOXIC FUMES OF CARBON DIOXIDE, CARBON MONOXIDE

REFERENCES CONSULTED; [] VERSCHUERAN [] MERCK INDEX [X] HAZARDLINE [X] ACGIH [] TOXIC & HAZARDOUS SAFETY MANUAL [] CHRIS [] SAX

(X) NIOSH/OSHA POCKET GUIDE

[] OTHER: CHRIS (VOL III), SAX, ALDRICH, RTECS

ecology and environment. inc. HAZARD EVALUATION OF CHEMICALS PREPARATION/UPDATE DATE 6/07/93

BOILING POINT: Varied

CHEMICAL NAME: Polynuclear Aromatics CAS NUMBER: Various

DOT NAME/ID NO.:

RO:

FLASH POINT:

SYNONYMS: Anthracene, Chrysene, Pyrene, Indenol

CHEMICAL AND PHYSICAL PROPERTIES:

PHYSICAL STATE: Liquid CHEMICAL FORMULA: CXHX MOLECULAR WEIGHT: Var.

SOLUBILITY (H20): insoluable SPG/D Var.

FLAMMABLE LIMITS: 0:6-?

ODOR CHARACTERISTICS: Varied

INCOMPATABILITIES: Strong Oxidizers

BIOLOGICAL PROPERTIES:

VAPOR PRESS: 1.17-1.2

PEL: 0.2mg/m3 TLV-TWA: ODOR THRESHOLD: IDLH:

HUMAN (LCLO): RAT/MOUSE (LC50): AQUATIC: TERATOGEN: X CARCINOGEN: X

FREEZING POINT:

MUTIGEN: X

ROUTE OF EXPOSURE: [X] INHALATION [X] EYE CONTACT [X] SKIN CONTACT [] INGESTION

HANDLING RECOMMENDATIONS (PERSONAL PROTECTIVE MEASURES):

Respiratory protection with GMC-H cartridges, skin protection (gloves and coveralls)

MONITORING RECOMMENDATIONS:

Particulates in air - miniram

HEALTH HAZARDS:

自己的 计解码 计

ACUTE SYMPTOMS: Eye/skin irritation, dermatitis, photosensitization 基数数 (1000 x 1000 x 100

CHRONIC SYMPTOMS: Carcinogenic effects

FIRST AID

REMOVE TO FRESH AIR, GIVE ARTIFICAL RESPIRATION IF NEEDED, SEEK MEDICAL ATTENTION INHALATION:

EYE CONTACT: FLUSH/RINSE WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER

Still Ook INGESTION: 概 11112

DISPOSAL/WASTE TREATMENT:

Segregate contaminated materials, double bag, dispose of as hazardous material

[] VERSCHUERAN [] MERCK INDEX [] HAZARDLINE [X] ACGIH [] TOXIC & HAZARDOUS SAFETY MANUAL [X] CHRIS [] SAX REFERENCES CONSULTED: [X] NIOSH/OSHA POCKET GUIDE

[] OTHER: Pattys Industrial Hygiene and Toxicology

ecology and environment, inc.

JOB NO ZT2051 HAZARD EVALUATION OF CHEMICALS PREPARATION/UPDATE DATE 5-23-90

CHEMICAL NAME: POLYCHLORINATED BIPHENYL
CAS NUMBER: 53469-21-9 DOT NAME/ID NO.:

SYNONYMS: AROCHLOR 1242/42% CHLORINE, CHLORODIPHENYL

RO:

CHEMICAL AND PHYSICAL PROPERTIES:

CHEMICAL FORMULA: C12H7C13 MOLECULAR WEIGHT: 258 PHYSICAL STATE: DARK LIQUID SPG/D 1.3 SOLUBILITY (H20): INSOLUBLE

VAPOR PRESS: 001 MM FREEZING POINT: -2 F BOILING POINT: 617-691 F FLASH POINT: 349 F FLAMMABLE LIMITS: UNKNOWN

ODOR CHARACTERISTICS:

INCOMPATABILITIES: STRONG OXIDIZERS

BIOLOGICAL PROPERTIES:

IDLH: TLV-TWA: 1 MG/M3 PEL: 1 MG/M3 ODOR THRESHOLD:

HUMAN (LCLO): 10 MG/M3 RAT/MOUSE (LC50): AQUATIC: 278 PPM

CARCINOGEN: SUS-HUM TERATOGEN: MUTIGEN: ANIM-POS

ROUTE OF EXPOSURE: [X] INHALATION [X] EYE CONTACT [X] SKIN CONTACT [X] INGESTION

HANDLING RECOMMENDATIONS (PERSONAL PROTECTIVE MEASURES):

ANY DETECTABLE LIMIT - SCBA, EXCEL-VITON; GOOD-BUTYL, VINYL, NITRILE; POOR-NEOPRENE, SAFETY GOGGLES, CLOTHING TO AVOID CONTACT

MONITORING RECOMMENDATIONS:

HEALTH HAZARDS:

ACUTE SYMPTOMS: IRRITATION OF EYES, NOSE, THROAT, CAN CAUSE VOMITING, EDEMA, ANOREXIA, NAUSEA, ABDOMINAL PAIN, FATIGUE

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CHRONIC SYMPTOMS: CHLORACNE FROM PROLONGED SKIN CONTACT, ACUTE & CHRONIC EXPOSURE MAY CAUSE LIVER DAMAGE OR CANCER

FIRST AID

INHALATION: REMOVE TO FRESH AIR, GARGLE WITH WATER AND USE SEDATIVE COUGH MIXTURE

EYE CONTACT: FLUSH/RINSE WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER

INGESTION: GIVE LARGE QUANTITIES OF SALT WATER; INDUCE VOMITING; SEEK MEDICAL ATTENTION

DISPOSAL/WASTE TREATMENT:

REFERENCES CONSULTED: [] VERSCHUERAN [] MERCK INDEX [] HAZARDLINE [X] ACGIH [] TOXIC & HAZARDOUS SAFETY MANUAL [X] CHRIS [X] SAX

[X] NIOSH/OSHA POCKET GUIDE

[] OTHER: RTECS

SITE SAFETY MEETING (Must be filled out by Site Safety Officer at the site)

Address: Kosther And Time Type of Work: Sample drume and	
Address: Kosther Aul	
·	
SAPETY POPTCS PRESERVED	
Protective Clothing/Equipment: SAVAhex, books, Nitrile Clover	-
Proceeding Clothing/Squipment:	
chemical Hasards: Ho he determined via Air mosi write	
	
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Emergency Procedures: 9//	
Hospital/Clinic: Pur Pracles Telephone: 946-647	8
Rospital Address: 16 13 W. Congress Emergency Telephone 4:	<u> </u>
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Special Equipment:	
thers:	
<u>Checklist</u>	
. Emergency information reviewed?	.nembers X Y / N
Route to nearest hospital explained and reviewed? (I N and its location known to all team. Site safety plan readily available and its location known to all team members? Y N	
he site safety meeting shall be attended by all personnel who will be working within the site nformational update meetings will be held when site tasks and conditions change.	area. Daily
ATTENDANCE	
PRINT NAME SIGNATURE	DATE
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MAKEN Mydnewski Jacob Mach	12-9-99
SETING CONDUCTED BY:	-
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